

SEQUENCE LISTING

Andersson, Mariette Trifonova, Adelina Hofvander, Per Use of AHAS mutant genes as selection marker in potato <120> transformation <130> 12810-00141-US <140> US 10/519,947 <141> 2004-12-29 <150> PCT/EP2003/007085 2003-07-03 <151> <150> EP 02015247.6 2002-07-09 <151> <160> <170> PatentIn version 3.3 <210> 1 <211> 5717 <212> DNA <213> Arabidopsis thaliana <220> <221> CDS <222> (2484)..(4493) <400> 1 tctagattat qtatttccaa ctttcattaa caatataatc qcatataaat gaaaaatcgt 60 ttccaggata atattttgat gaaatctcat attattgttc gtactcggat tgatgttgaa 120 qqcttqaaqc qcttcaaatt atagaccaga ttatttaagt ttttcttttg tttactccat 180 atcaatttqa tccattatac tacctaaqaa aatttaqqta acatagaatt atttattgtt 240 atagtaaaaa aaaggaaaac cacaaaaata atctactttt acgtatatac tattttcatg 300 acataagtaa ttaagttgta caactttttt ttaatgaaaa gagagagtaa atttatcatg 360 ttcatgtgta gttacctcgt gaataaccga cggttatata gacgcctaac atgaattgtt 420 cagttgaaga cagttcaaaa catgtgtttc actctaaaat cctcaacaaa aaaaaagtgt 480 taaaatttgt aaacctcttt caagcaaaaa aagaaaaagt gttagaatcc caagattctt 540 tcataatccg gaatcttggc tgaaaacgta taaaagagat tgacgtagta acaaggagtc 600 ttggtatgct tccatgcttt ttatcctttt ttgtcatgga accatgattt ggttaccatt 660 tattatgtaa ccgaaatttt cattgtaata atgaatattt aaatttttag caaaaaaaaa 720 caaaaaaaa caaqqaqtct tqtcttcqtt ctcaaatttc agagctcttg cacttttcaa 780 qaqttttact ttqatqaqtq aqacatttqt ctttttaqtq tttattttct aaacttaaaa 840 tagtagcatc aacatcactc aattataatt cttaagatgt tgtagaaaaa tattttatag 900 atggaaagta atcgatatta agacaaataa gaaaccaaac cggactttgt gttcagaccg 960 aatcaaatct gaattggaga aattatggtg gaggcgaaag tcaacggaac taaagtataa 1020 aaccaaatgt caaaaataaa acccaatttt catccttaaa cgaacctgct gaaaccctaa 1080 tttcgattac caattccgat ctaaaaagaa gtcatggaag ccattgattc cgcaatcgat 1140 ceteteágag atttegetaa gageagtgtt egtetegtee agegetgtea caaaceegat 1200 cgcaagggta acgccttttc tcaaaaaaat ctcatttccg atttttgatc tgtagattag 1260 ggttttctga aattttgata tcatttgtaa ttgaattggt tatcagaatt cacgaaagta 1320 gctgtgcgta cggcgattgg atttgtggtg atgggattcg ttggattctt cgtgaagctc 1380 gttttcatcc caatcaacaa catcatcgtt ggatcttctt agtgtagtac tttctttacg 1440

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Ile Ser Thr Gly Val Gly Gln His Gln Met Trp Ala Ala Gln Phe Tyr 485 490 495

Asn Tyr Lys Lys Pro Arg Gln Trp Leu Ser Ser Gly Gly Leu Gly Ala 500 505 510

Met Gly Phe Gly Leu Pro Ala Ala Ile Gly Ala Ser Val Ala Asn Pro 515 520 525

Asp Ala Ile Val Val Asp Ile Asp Gly Asp Gly Ser Phe Ile Met Asn 530 540

Val Gln Glu Leu Ala Thr Ile Arg Val Glu Asn Leu Pro Val Lys Val 545 550 555 560

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Arg Phe Tyr Lys Ala Asn Arg Ala His Thr Phe Leu Gly Asp Pro Ala 580 585 590

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